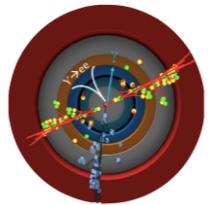


ALD charge How do we respond?

Dave Morrison
Gunther Roland



Charge from ALD



Received memo from RHIC ALD Berndt Mueller last week:
“I have therefore requested that sPHENIX Project Management, in close collaboration with the sPHENIX Collaboration, develops a credible plan encompassing an option of **baseline design scope, cost, and schedule** that will allow the detector to be completed on schedule for data taking in the FY2022 RHIC run within the presently **foreseen DOE funding profile**, and that the sPHENIX Project Management present this plan to BNL management no later than **May 31, 2016**. The plan should maintain the 40% contingency requested by the cost and schedule review. This plan should not assume the availability of additional funding from non-DOE sources, but may describe which elements would be **added to the baseline** scope of sPHENIX if additional funding became available.”

Baseline scope and schedule, as presented by Ed at last meeting:

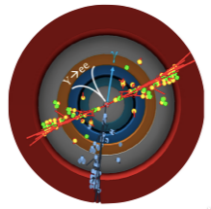
- VTX, TPC, EMCAL, iHCAL, BaBar magnet, oHCAL, misc small items
- First beam in 2022

Foreseen funding profile:

- “\$75M” in redirected funds (out of which <50% is “cash”)
- Missing ~\$6M to fund baseline scope

“Worst case” funding scenario:

- no foreign funding, no NSF funding, no LDRD, private, university funding
- any additional funding can be used to restore/expand scope



How do we respond?

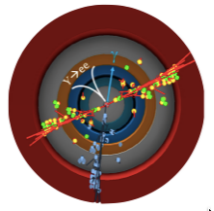


Today: No improvised discussion on “descoping” options, rather discuss general approach to response and organization of approach

Some thoughts:

- Why this exercise? DOE is very supportive, but needs certainty that device that meets specifications on schedule and within budget (note that this device may not necessarily be the one we want to do physics)
- We are asked to provide a plan that reassures DOE
- Project input is key in understanding $\Delta\$/\Delta\text{Scope}$
 - Ed & Co are set up to provide this evaluation
 - But there is also a lot of experience in the collaboration. How to utilize?
- Collaboration needs to evaluate $\Delta\text{Physics}/\Delta\text{Scope}$
 - Topical groups will be key
 - But there is no time to just have brute-force full simulations. Need a lot of thought
- What other structures might help, if any? Task force? Brain-storming meetings? Committees?





This discussion



- Questions/requests for clarification
- Go around (virtual) table and give everyone opportunity to comment once (without discussion/rebuttal)
- General discussion to find consensus